

Low-Voltage CMOS Quad 2-Input Multiplexer

With 5 V-Tolerant Inputs (Inverting)

MC74LCX158

The MC74LCX158 is a high performance, quad 2-input inverting multiplexer operating from a 1.65 to 5.5 V supply. High impedance TTL compatible inputs significantly reduce current loading to input drivers while TTL compatible outputs offer improved switching noise performance. A V_I specification of 5.5 V allows MC74LCX158 inputs to be safely driven from 5 V devices.

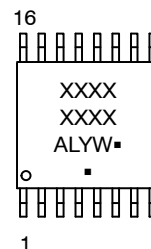
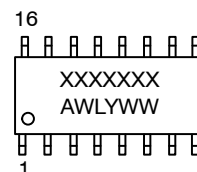
Four bits of data from two sources can be selected using the Select and Enable inputs. The four outputs present the selected data in the inverted form. The MC74LCX158 can also be used as a function generator. Current drive capability is 24 mA at the outputs at 3 V.

Features

- Designed for 1.65 to 5.5 V V_{CC} Operation
- 5 V Tolerant Inputs – Interface Capability With 5 V TTL Logic
- LVTTL Compatible
- LVCMOS Compatible
- 24 mA Balanced Output Sink and Source Capability at 3 V
- Near Zero Static Supply Current (10 μ A) Substantially Reduces System Power Requirements
- Latchup Performance Exceeds 100 mA
- ESD Performance:
 - ♦ Human Body Model >2000 V
- These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant



MARKING DIAGRAMS



A = Assembly Location
 WL, L = Wafer Lot
 Y = Year
 WW, W = Work Week
 G or ■ = Pb-Free Package
 (Note: Microdot may be in either location)

ORDERING INFORMATION

See detailed ordering and shipping information in the package dimensions section on page 8 of this data sheet.

MC74LCX158

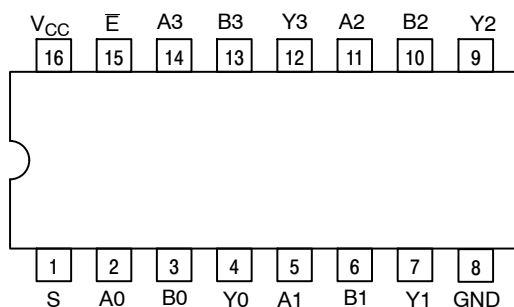


Figure 1. Pinout: 16-Lead Plastic Package (Top View)

PIN NAMES

| Pins | Function |
|-----------|----------------------|
| An | Source 0 Data Inputs |
| Bn | Source 1 Data Inputs |
| \bar{E} | Enable Input |
| S | Select Input |
| Yn | Outputs |

TRUTH TABLE

| Inputs | | Outputs |
|---------------|--------|---------|
| Output Enable | Select | Y0–Y3 |
| H | X | H |
| L | L | A0–A3 |
| L | H | B0–B3 |

X = Don't Care

A0–A3, B0–B3 = The levels of the respective Data–Word Inputs

PIN DESCRIPTIONS

INPUTS

A0–A3 (Pins 2, 5, 11, 14)

Nibble A inputs. The data present on these pins is transferred to the outputs when the Select input is at a low level and the Output Enable input is at a low level. The data is presented to the outputs in inverted form for the LCX158.

B0–B3 (Pins 3, 6, 10, 13)

Nibble B inputs. The data present on these pins is transferred to the outputs when the Select input is at a high level and the Output Enable input is at a low level. The data is presented to the outputs in inverted form for the LCX158.

OUTPUTS

Y0–Y3 (Pins 4, 7, 9, 12)

Data outputs. The selected input nibble is presented at these outputs when the Output Enable input is at a low level. The data present on these pins is in its inverted form for the LCX158. For the Output Enable input at a high level, the outputs are at a high level for the LCX158.

Select (Pin 1)

Nibble select. This input determines the data word to be transferred to the outputs. A low level on this input selects the A inputs and a high level selects the B inputs.

CONTROL INPUTS

Enable (Pin 15)

Output Enable input. A low level on this input allows the selected data to be presented at the outputs. A high level on this input sets all of the outputs to a high level for the LCX158.

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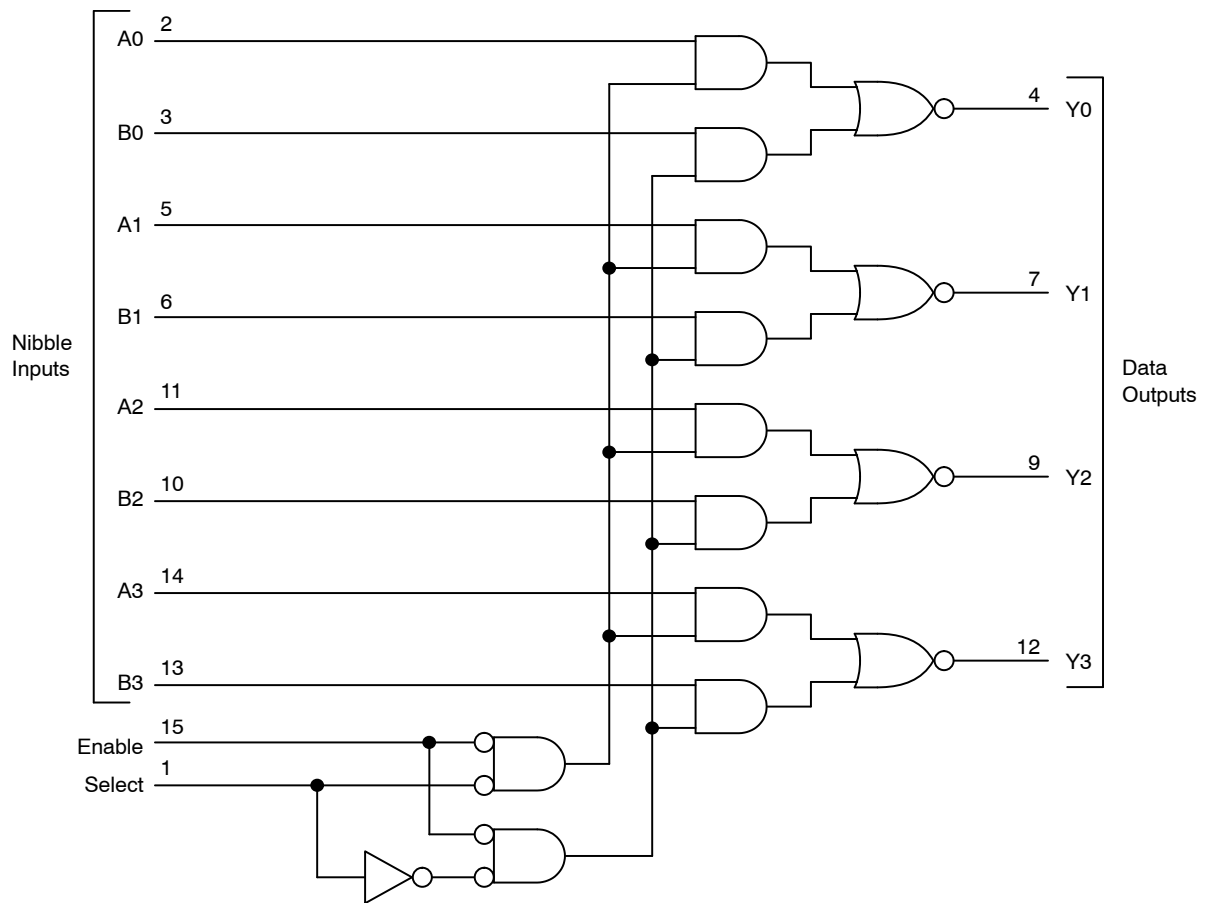


Figure 2. Expanded Logic Diagram

MC74LCX158

MAXIMUM RATINGS

| Symbol | Parameter | Value | Unit |
|-----------------------|--|--|------|
| V_{CC} | DC Supply Voltage | -0.5 to +6.5 | V |
| V_I | DC Input Voltage (Note 1) | -0.5 to +6.5 | V |
| V_O | DC Output Voltage (Note 1) Active-Mode (High or Low State) Tri-State Mode Power-Down Mode ($V_{CC} = 0$ V) | -0.5 to $V_{CC} + 0.5$ -0.5 to +6.5 -0.5 to +6.5 | V |
| I_{IK} | DC Input Diode Current $V_I < GND$ | -50 | mA |
| I_{OK} | DC Output Diode Current $V_O < GND$ | -50 | mA |
| I_O | DC Output Source/Sink Current | ± 50 | mA |
| I_{CC} or I_{GND} | DC Supply Current per Supply Pin or Ground Pin | ± 100 | mA |
| T_{STG} | Storage Temperature Range | -65 to +150 | °C |
| T_L | Lead Temperature, 1 mm from Case for 10 secs | 260 | °C |
| T_J | Junction Temperature Under Bias | +150 | °C |
| θ_{JA} | Thermal Resistance (Note 1) SOIC-16 TSSOP-16 | 126 159 | °C/W |
| P_D | Power Dissipation in Still Air at 25 °C SOIC-16 TSSOP-16 | 995 787 | mW |
| MSL | Moisture Sensitivity | Level 1 | - |
| F_R | Flammability Rating Oxygen Index: 28 to 34 | UL 94 V-0 @ 0.125 in | - |
| V_{ESD} | ESD Withstand Voltage (Note 3) Human Body Model Charged Device Model | 2000 N/A | V |

Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality should not be assumed, damage may occur and reliability may be affected.

1. I_O absolute maximum rating must be observed.

2. Measured with minimum pad spacing on an FR4 board, using 76 mm-by-114 mm, 2-ounce copper trace no air flow per JESD51-7.

3. HBM tested to EIA / JESD22-A114-A. CDM tested to JESD22-C101-A. JEDEC recommends that ESD qualification to EIA/JESD22-A115A (Machine Model) be discontinued.

RECOMMENDED OPERATING CONDITIONS

| Symbol | Parameter | Min | Typ | Max | Unit |
|------------|---|------------------|------------------|------------------------|------|
| V_{CC} | Supply Voltage Operating Data Retention Only | 1.65 1.5 | 3.3 3.3 | 5.5 5.5 | V |
| V_I | Digital Input Voltage | 0 | - | 5.5 | V |
| V_O | Output Voltage Active Mode (High or Low State) Tri-State Mode Power Down Mode ($V_{CC} = 0$ V) | 0 0 0 | - - - | V_{CC} 5.5 5.5 | V |
| T_A | Operating Free-Air Temperature | -40 | - | +125 | °C |
| t_r, t_f | Input Rise or Fall Rate $V_{CC} = 1.65$ V to 1.95 V $V_{CC} = 2.3$ V to 2.7 V V_I from 0.8 V to 2.0 V, $V_{CC} = 3.0$ V $V_{CC} = 4.5$ V to 5.5 V | 0 0 0 0 | - - - - | 20 20 10 5 | nS/V |

Functional operation above the stresses listed in the Recommended Operating Ranges is not implied. Extended exposure to stresses beyond the Recommended Operating Ranges limits may affect device reliability.

4. Unused inputs must always be tied to an appropriate logic voltage level (e.g., either GND or V_{CC}). Unused outputs must be left open.

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DC ELECTRICAL CHARACTERISTICS

| Symbol | Parameter | Conditions | V _{CC} (V) | T _A = -40 °C to +85 °C | | T _A = -40 °C to +125 °C | | Unit |
|------------------|---------------------------------------|---|---------------------|-----------------------------------|------------------------|------------------------------------|------------------------|------|
| | | | | Min | Max | Min | Max | |
| V _{IH} | HIGH Level Input Voltage | | 1.65 – 1.95 | 0.65 x V _{CC} | – | 0.65 x V _{CC} | – | V |
| | | | 2.3 – 2.7 | 1.7 | – | 1.7 | – | |
| | | | 3.0 – 3.6 | 2.0 | – | 2.0 | – | |
| | | | 4.5 – 5.5 | 0.70 x V _{CC} | – | 0.70 x V _{CC} | – | |
| V _{IL} | LOW Level Input Voltage | | 1.65 – 1.95 | – | 0.35 x V _{CC} | – | 0.35 x V _{CC} | V |
| | | | 2.3 – 2.7 | – | 0.7 | – | 0.7 | |
| | | | 3.0 – 3.6 | – | 0.8 | – | 0.8 | |
| | | | 4.5 – 5.5 | – | 0.30 x V _{CC} | – | 0.30 x V _{CC} | |
| V _{OH} | High-Level Output Voltage | V _I = V _{IH} or V _{IL} | 1.65 to 5.5 | V _{CC} – 0.1 | – | V _{CC} – 0.1 | – | V |
| | | I _{OH} = –100 μA | 1.65 | 1.29 | – | 1.29 | – | |
| | | I _{OH} = –4 mA | 2.3 | 1.8 | – | 1.8 | – | |
| | | I _{OH} = –8 mA | 2.7 | 2.2 | – | 2.2 | – | |
| | | I _{OH} = –12 mA | 3.0 | 2.4 | – | 2.4 | – | |
| | | I _{OH} = –16 mA | 3.0 | 2.2 | – | 2.2 | – | |
| | | I _{OH} = –32 mA | 4.5 | 3.7 | – | 3.7 | – | |
| V _{OL} | Low-Level Output Voltage | V _I = V _{IH} or V _{IL} | 1.65 to 5.5 | – | 0.1 | – | 0.1 | V |
| | | I _{OL} = 100 μA | 1.65 | – | 0.24 | – | 0.24 | |
| | | I _{OL} = 4 mA | 2.3 | – | 0.3 | – | 0.3 | |
| | | I _{OL} = 8 mA | 2.7 | – | 0.4 | – | 0.4 | |
| | | I _{OL} = 12 mA | 3.0 | – | 0.4 | – | 0.4 | |
| | | I _{OL} = 16 mA | 3.0 | – | 0.55 | – | 0.55 | |
| | | I _{OL} = 32 mA | 4.5 | – | 0.6 | – | 0.6 | |
| I _I | Input Leakage Current | V _I = 0 to 5.5 V | 3.6 | – | ±5.0 | – | ±5.0 | μA |
| I _{OFF} | Power Off Leakage Current | V _I = 5.5 V or V _O = 5.5 V | 0 | – | 10 | – | 10 | μA |
| I _{CC} | Quiescent Supply Current | V _I = 5.5 V or GND | 3.6 | – | 10 | – | 10 | μA |
| ΔI _{CC} | Increase in I _{CC} per Input | V _{IH} = V _{CC} – 0.6 V | 2.3 to 3.6 | – | 500 | – | 500 | μA |

Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

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AC ELECTRICAL CHARACTERISTICS

| Symbol | Parameter | Test Condition | V _{CC} (V) | T _A = -40 °C to +85 °C | | T _A = -40 °C to +125 °C | | Unit |
|---------------------------------------|--------------------------------|---------------------|---------------------|-----------------------------------|------|------------------------------------|------|------|
| | | | | Min | Max | Min | Max | |
| t _{PLH} , t _{PHL} | Propagation Delay, A or B to Y | See Figures 3 and 4 | 1.65 to 1.95 | – | 11.2 | – | 11.2 | ns |
| | | | 2.3 to 2.7 | – | 8.5 | – | 8.5 | |
| | | | 2.7 | – | 7.5 | – | 7.5 | |
| | | | 3.0 to 3.6 | – | 6.5 | – | 6.5 | |
| | | | 4.5 to 5.5 | – | 4.8 | – | 4.8 | |
| t _{PLH} , t _{PHL} | Propagation Delay, S to Y | See Figures 3 and 4 | 1.65 to 1.95 | – | 11.6 | – | 11.6 | ns |
| | | | 2.3 to 2.7 | – | 9.0 | – | 9.0 | |
| | | | 2.7 | – | 8.0 | – | 8.0 | |
| | | | 3.0 to 3.6 | – | 7.0 | – | 7.0 | |
| | | | 4.5 to 5.5 | – | 5.8 | – | 5.8 | |
| t _{PLH} , t _{PHL} | Propagation Delay, E to Y | See Figures 3 and 4 | 1.65 to 1.95 | – | 11.6 | – | 11.6 | ns |
| | | | 2.3 to 2.7 | – | 9.0 | – | 9.0 | |
| | | | 2.7 | – | 8.0 | – | 8.0 | |
| | | | 3.0 to 3.6 | – | 7.0 | – | 7.0 | |
| | | | 4.5 to 5.5 | – | 5.8 | – | 5.8 | |
| t _{OSHL} , t _{OSLH} | Output to Output Skew (Note 5) | | 1.65 to 1.95 | – | – | – | – | ns |
| | | | 2.3 to 2.7 | – | – | – | – | |
| | | | 2.7 | – | – | – | – | |
| | | | 3.0 to 3.6 | – | 1.0 | – | 1.0 | |
| | | | 4.5 to 5.5 | – | – | – | – | |

Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

5. Skew is defined as the absolute value of the difference between the actual propagation delay for any two separate outputs of the same device. The specification applies to any outputs switching in the same direction, either HIGH-to-LOW (t_{OSHL}) or LOW-to-HIGH (t_{OSLH}).

DYNAMIC SWITCHING CHARACTERISTICS

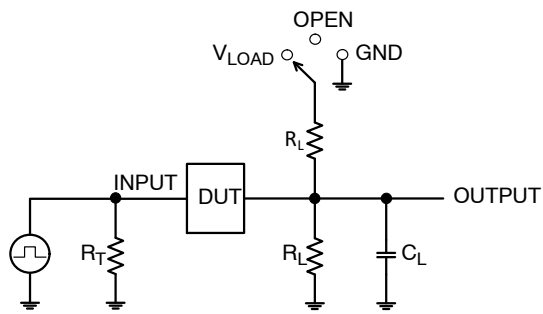
| Symbol | Characteristic | Condition | T _A = +25 °C | | | Units |
|------------------|-------------------------------------|---|-------------------------|-----|-----|-------|
| | | | Min | Typ | Max | |
| V _{OLP} | Dynamic LOW Peak Voltage (Note 6) | V _{CC} = 3.3 V, C _L = 50 pF, V _{IH} = 3.3 V, V _{IL} = 0 V | | 0.8 | | V |
| V _{OLV} | Dynamic LOW Valley Voltage (Note 6) | V _{CC} = 3.3 V, C _L = 50 pF, V _{IH} = 3.3 V, V _{IL} = 0 V | | 0.8 | | V |

6. Number of outputs defined as “n”. Measured with “n–1” outputs switching from HIGH-to-LOW or LOW-to-HIGH. The remaining output is measured in the LOW state.

CAPACITIVE CHARACTERISTICS

| Symbol | Parameter | Condition | Typical | Units |
|------------------|-------------------------------|--|---------|-------|
| C _{IN} | Input Capacitance | V _{CC} = 3.3 V, V _I = 0 V or V _{CC} | 7 | pF |
| C _{OUT} | Output Capacitance | V _{CC} = 3.3 V, V _I = 0 V or V _{CC} | 8 | pF |
| C _{PD} | Power Dissipation Capacitance | 10 MHz, V _{CC} = 3.3 V, V _I = 0 V or V _{CC} | 25 | pF |

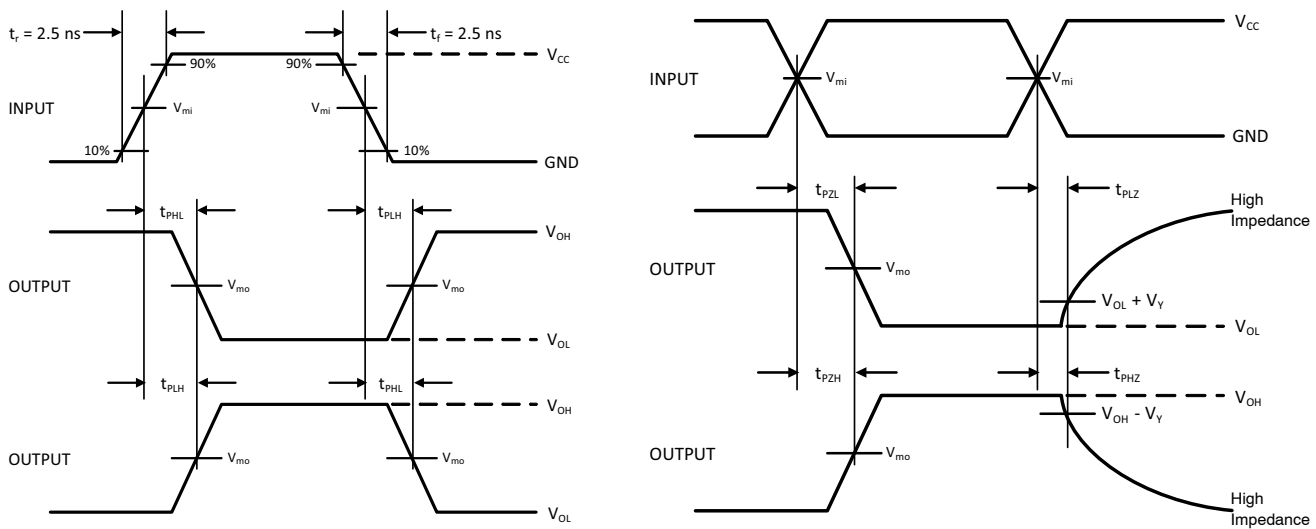
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C_L includes probe and jig capacitance
 R_T is Z_{OUT} of pulse generator (typically 50 Ω)
 $f = 1$ MHz

| Test | Switch Position |
|---------------------|-----------------|
| t_{PLH} / t_{PHL} | Open |
| t_{PLZ} / t_{PZL} | V_{LOAD} |
| t_{PHZ} / t_{PZH} | GND |

Figure 3. Test Circuit



| V_{CC}, V | R_L, Ω | C_L, pF | V_{LOAD} | V_m, V | V_Y, V |
|--------------|---------------|-----------|-------------------|------------|----------|
| 1.65 to 1.95 | 500 | 30 | $2 \times V_{CC}$ | $V_{CC}/2$ | 0.15 |
| 2.3 to 2.7 | 500 | 30 | $2 \times V_{CC}$ | $V_{CC}/2$ | 0.15 |
| 2.7 | 500 | 50 | 6 V | 1.5 | 0.3 |
| 3.0 to 3.6 | 500 | 50 | 6 V | 1.5 | 0.3 |
| 4.5 to 5.5 | 500 | 50 | $2 \times V_{CC}$ | $V_{CC}/2$ | 0.3 |

Figure 4. Switching Waveforms

MC74LCX158

ORDERING INFORMATION

| Device | Marking | Package | Shipping [†] |
|-----------------|------------|-----------------------|-----------------------|
| MC74LCX158DG | LCX158G | SOIC-16 (Pb-Free) | 48 Units / Rail |
| MC74LCX158DR2G | LCX158G | SOIC-16 (Pb-Free) | 2,500 Tape & Reel |
| MC74LCX158DTG | LCX 158 | TSSOP-16 (Pb-Free) | 96 Units / Rail |
| MC74LCX158DTR2G | LCX 158 | TSSOP-16 (Pb-Free) | 2,500 Tape & Reel |

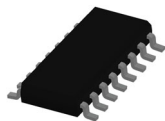
[†]For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specifications Brochure, [BRD8011/D](#).

MC74LCX158

REVISION HISTORY

| Revision | Description of Changes | Date |
|----------|---|------------|
| 8 | Rebranding to onsemi format. | 11/24/2024 |
| 9 | Operation supply voltage range changed to 1.65 to 5.5 V V_{CC} , front page Features section updated, Marking Diagrams updated, Maximum Ratings table replaced, Recommended Operation Conditions table replaced, DC Electrical Characteristics table replaced, AC Characteristics table updated, Figures 3 and 4 updated, Ordering Information table updated, Revision History table added. | 6/30/2025 |

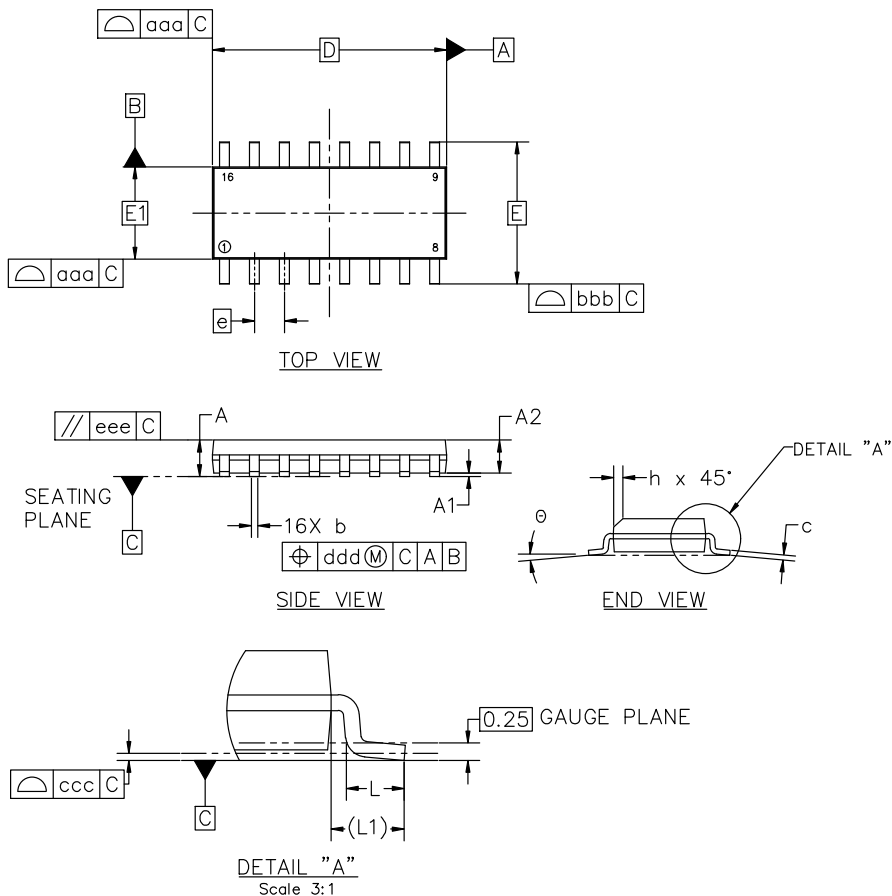
This document has undergone updates prior to the inclusion of this revision history table. The changes tracked here only reflect updates made on the noted approval dates.


SOIC-16 9.90x3.90x1.37 1.27P
CASE 751B
ISSUE M

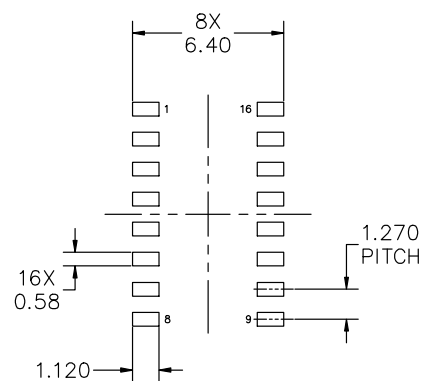
DATE 18 OCT 2024

NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 2018.
2. DIMENSION IN MILLIMETERS. ANGLE IN DEGREES.
3. DIMENSIONS D AND E1 DO NOT INCLUDE MOLD PROTRUSION.
4. MAXIMUM MOLD PROTRUSION 0.15mm PER SIDE.
5. DIMENSION b DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.127mm TOTAL IN EXCESS OF THE b DIMENSION AT MAXIMUM MATERIAL CONDITION.



| MILLIMETERS | | | |
|--------------------------------|----------|------|------|
| DIM | MIN | NOM | MAX |
| A | 1.35 | 1.55 | 1.75 |
| A1 | 0.10 | 0.18 | 0.25 |
| A2 | 1.25 | 1.37 | 1.50 |
| b | 0.35 | 0.42 | 0.49 |
| c | 0.19 | 0.22 | 0.25 |
| D | 9.90 BSC | | |
| E | 6.00 BSC | | |
| E1 | 3.90 BSC | | |
| e | 1.27 BSC | | |
| h | 0.25 | --- | 0.50 |
| L | 0.40 | 0.83 | 1.25 |
| L1 | 1.05 REF | | |
| θ | 0° | --- | 7° |
| TOLERANCE OF FORM AND POSITION | | | |
| aaa | 0.10 | | |
| bbb | 0.20 | | |
| ccc | 0.10 | | |
| ddd | 0.25 | | |
| eee | 0.10 | | |



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AND MOUNTING TECHNIQUES REFERENCE
MANUAL, SOLDERM/D

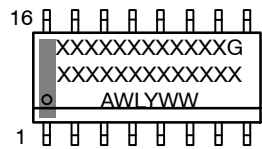
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CASE 751B
ISSUE M

DATE 18 OCT 2024

GENERIC
MARKING DIAGRAM*

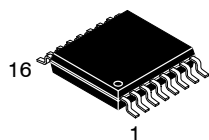


XXXXXX = Specific Device Code
A = Assembly Location
WL = Wafer Lot
Y = Year
WW = Work Week
G = Pb-Free Package

*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot "▪", may or may not be present. Some products may not follow the Generic Marking.

| | | | |
|---|---|---|---|
| STYLE 1: PIN 1. COLLECTOR 2. BASE 3. EMITTER 4. NO CONNECTION 5. EMITTER 6. BASE 7. COLLECTOR 8. COLLECTOR 9. BASE 10. EMITTER 11. NO CONNECTION 12. EMITTER 13. BASE 14. COLLECTOR 15. EMITTER 16. COLLECTOR | STYLE 2: PIN 1. CATHODE 2. ANODE 3. NO CONNECTION 4. CATHODE 5. CATHODE 6. NO CONNECTION 7. ANODE 8. CATHODE 9. CATHODE 10. ANODE 11. NO CONNECTION 12. CATHODE 13. CATHODE 14. NO CONNECTION 15. ANODE 16. CATHODE | STYLE 3: PIN 1. COLLECTOR, DYE #1 2. BASE, #1 3. EMITTER, #1 4. COLLECTOR, #1 5. COLLECTOR, #2 6. BASE, #2 7. EMITTER, #2 8. COLLECTOR, #2 9. COLLECTOR, #3 10. BASE, #3 11. EMITTER, #3 12. COLLECTOR, #3 13. COLLECTOR, #4 14. BASE, #4 15. EMITTER, #4 16. COLLECTOR, #4 | STYLE 4: PIN 1. COLLECTOR, DYE #1 2. COLLECTOR, #1 3. COLLECTOR, #2 4. COLLECTOR, #2 5. COLLECTOR, #3 6. COLLECTOR, #3 7. COLLECTOR, #4 8. COLLECTOR, #4 9. BASE, #4 10. EMITTER, #4 11. BASE, #3 12. EMITTER, #3 13. BASE, #2 14. EMITTER, #2 15. BASE, #1 16. EMITTER, #1 |
| STYLE 5: PIN 1. DRAIN, DYE #1 2. DRAIN, #1 3. DRAIN, #2 4. DRAIN, #2 5. DRAIN, #3 6. DRAIN, #3 7. DRAIN, #4 8. DRAIN, #4 9. GATE, #4 10. SOURCE, #4 11. GATE, #3 12. SOURCE, #3 13. GATE, #2 14. SOURCE, #2 15. GATE, #1 16. SOURCE, #1 | STYLE 6: PIN 1. CATHODE 2. CATHODE 3. CATHODE 4. CATHODE 5. CATHODE 6. CATHODE 7. CATHODE 8. CATHODE 9. ANODE 10. ANODE 11. ANODE 12. ANODE 13. ANODE 14. ANODE 15. ANODE 16. ANODE | STYLE 7: PIN 1. SOURCE N-CH 2. COMMON DRAIN (OUTPUT) 3. COMMON DRAIN (OUTPUT) 4. GATE P-CH 5. COMMON DRAIN (OUTPUT) 6. COMMON DRAIN (OUTPUT) 7. COMMON DRAIN (OUTPUT) 8. SOURCE P-CH 9. SOURCE P-CH 10. COMMON DRAIN (OUTPUT) 11. COMMON DRAIN (OUTPUT) 12. COMMON DRAIN (OUTPUT) 13. GATE N-CH 14. COMMON DRAIN (OUTPUT) 15. COMMON DRAIN (OUTPUT) 16. SOURCE N-CH | |

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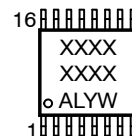

NOTES:

1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
2. CONTROLLING DIMENSION: MILLIMETER.
3. DIMENSION A DOES NOT INCLUDE MOLD FLASH, PROTRUSIONS OR GATE BURRS. MOLD FLASH OR GATE BURRS SHALL NOT EXCEED 0.15 (0.006) PER SIDE.
4. DIMENSION B DOES NOT INCLUDE INTERLEAD FLASH OR PROTRUSION. INTERLEAD FLASH OR PROTRUSION SHALL NOT EXCEED 0.25 (0.010) PER SIDE.
5. DIMENSION K DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.08 (0.003) TOTAL IN EXCESS OF THE K DIMENSION AT MAXIMUM MATERIAL CONDITION.
6. TERMINAL NUMBERS ARE SHOWN FOR REFERENCE ONLY.
7. DIMENSION A AND B ARE TO BE DETERMINED AT DATUM PLANE -W-.

| DIM | MILLIMETERS | | INCHES | |
|-----|-------------|------|-----------|-------|
| | MIN | MAX | MIN | MAX |
| A | 4.90 | 5.10 | 0.193 | 0.200 |
| B | 4.30 | 4.50 | 0.169 | 0.177 |
| C | --- | 1.20 | --- | 0.047 |
| D | 0.05 | 0.15 | 0.002 | 0.006 |
| F | 0.50 | 0.75 | 0.020 | 0.030 |
| G | 0.65 BSC | | 0.026 BSC | |
| H | 0.18 | 0.28 | 0.007 | 0.011 |
| J | 0.09 | 0.20 | 0.004 | 0.008 |
| J1 | 0.09 | 0.16 | 0.004 | 0.006 |
| K | 0.19 | 0.30 | 0.007 | 0.012 |
| K1 | 0.19 | 0.25 | 0.007 | 0.010 |
| L | 6.40 BSC | | 0.252 BSC | |
| M | 0° | 8° | 0° | 8° |

**RECOMMENDED
SOLDERING FOOTPRINT***


*For additional information on our Pb-Free strategy and soldering details, please download the onsemi Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.

**GENERIC
MARKING DIAGRAM***


XXXX = Specific Device Code
A = Assembly Location
L = Wafer Lot
Y = Year
W = Work Week
G or ■ = Pb-Free Package

*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot "■", may or may not be present. Some products may not follow the Generic Marking.

| | | |
|-------------------------|--------------------|--|
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| DESCRIPTION: | TSSOP-16 | PAGE 1 OF 1 |

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